



NOTES

1. COATING(S1): AG
 $R_{\text{avg}} > 96\% @ 480 \text{ nm} - 2.0 \mu\text{m}$
 $R_{\text{avg}} > 97.5\% @ 2.0 - 20 \mu\text{m} @ 0^\circ - 45^\circ \text{ AOI}$
2. CLEAR APERTURE(S1): $> 80\% \text{CA}$
3. SURFACE QUALITY(S1): 40/20(S/D)
4. SURFACE FLATNESS(S1): $\lambda/4 @ 633 \text{ nm}$
5. CENTRATION: $< 3 \text{ arcmin}$
6. CHAMFER: $< 0.2 \text{ mm}, 45^\circ$
7. BACK SURFACE(S2): FINE GROUND
8. DIAMETER TOLERANCE: $+0.0/-0.2 \text{ mm}$
9. THICKNESS TOLERANCE: $\pm 0.25 \text{ mm}$
10. FOCAL LENGTH: $-50.0 \text{ mm} \pm 1\%$

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|--|--------|--------------|---|--------|-------|-----|
| DRAWING PROJECTION | | | LBTEK | | | |
| | NAME | DATE | | | | |
| DRAWN | BSHU | Aug. /5th/24 | METAL-COATED CONCAVE MIRROR $\varnothing 25.4 \text{ mm}, F = -50 \text{ mm}, \text{AG: } 450 \text{ nm} - 20.0 \mu\text{m}$ | | | |
| APPROVAL | WCHENG | Aug. /5th/24 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | Borofloat | 6.71 g | 2:1 | D |